

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

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PUBLICATION NUMBER : 2003112180
 PUBLICATION DATE : 15-04-03

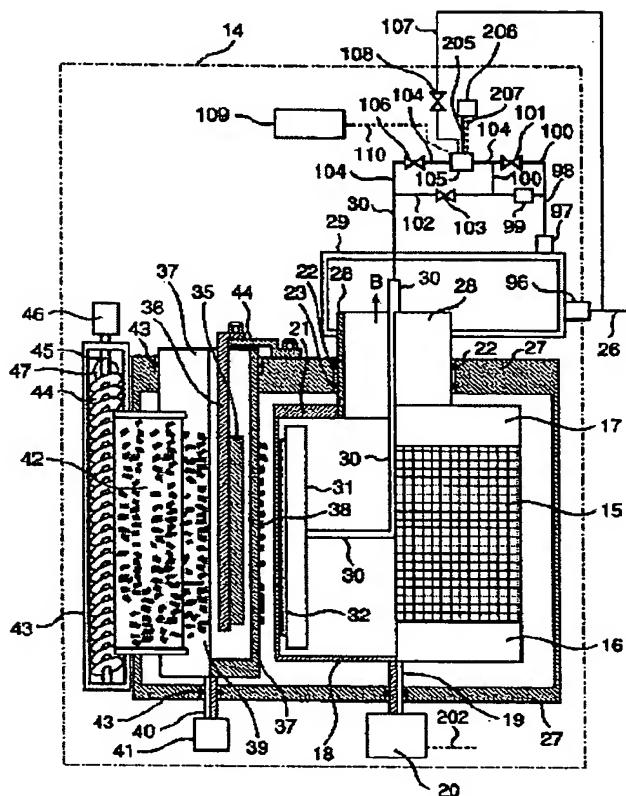
APPLICATION DATE : 03-10-01
 APPLICATION NUMBER : 2001307323

APPLICANT : HITACHI LTD;

INVENTOR : MIZUMORI TAKASHI;

INT.CL. : C02F 1/44 B01D 65/02 C02F 1/46

TITLE : WATER PURIFIER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a water purifier a water-permeable filtration and separation membrane of which is prevented from the deposition of foreign matters and hence prevented from the decrease in water permeability.

SOLUTION: This water purifier is equipped with a filtration means 15 which catches and filters foreign matters and magnetic substances contained in pretreated water 12 to purify it; a cleaning means 31 which cleans the foreign matters and magnetic substances caught and deposited on the surface of the filtration means 15 with cleaning water to separate from the filtration means 15; and a transfer means 37 which transfers the separated foreign matters and magnetic substances to the liquid surface of the pretreated water. In the purifier, a flow channel 98, through which purified water 25 after the filtration passes, is branched; in the branched flow channel 98, an electrolysis apparatus 105 for electrolyzing the purified water 25 into acidic water and alkali ion water is installed; and a flow channel 30 for returning the acidic water generated by the electrolysis apparatus 105 to clean water 12 is installed.

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